**Index of Claims** 

| Appli | cation | /Contro | ol No. |
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Applicant(s)/Patent under Reexamination

10/539,486 Examiner

GRAVESTOCK ET AL. Art Unit

Venkataraman Balasubramanian

1624

| √ | Rejected |
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| 1 | Allowed  |

(Through numeral) Cancelled

Restricted

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| _     | Interference |

| A | Appeal   |
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| Cla           | aim      | Date         |  |  | Claim Date                                       |  |  |           |          |          |          |          | ٦        | Claim Date      |                    |                 |                   |  |  |          |    |               |              |              |          |               |          |          |          |          |          |          |
|---------------|----------|--------------|--|--|--|--|--|-----------|----------|----------|----------|----------|----------|-----------------|--------------------|-----------------|-------------------|--|--|----------|----|---------------|--------------|--------------|----------|---------------|----------|----------|----------|----------|----------|----------|
|               |          |              |  |  |  |  |  |           |          |          |          |          |          |                 | -                  |                 |                   | $\vdash$                                       | П  |          |    | Jak           | <del>-</del> | П            | _        | $\overline{}$ |          |          |          |          |          |          |
| Final         | Original | 8/19/06      |  |  |  |  |  |           |          |          | Final    | Original |          |                 |                    |                 |                   |  |  |          |    | Final         | Original     |              |          |               |          | į        |          |          |          |          |
|               | 1        | Ī√           | Γ  | Г  | Γ.   |  | Π  |           |          |          |          | 51       |          |                 |                    |                 | $\neg$            | $\Box$   | П  |          | 7  |               | 101          |              | П        |               |          |          |          |          |          |          |
|               | 2        | 1            | Г  |  |  |  | Г  |           |          |          |          | 52       |          |                 |                    | ヿ               | $\neg$            | $\dashv$                                       | 寸  | $\top$   | 1  |               | 102          |              |          |               |          |          | Т        | П        |          |          |
| $\overline{}$ | 3        | 1            |  |  | T  | Т  | T  | $\vdash$  |          | ヿ        |          | 53       |          |                 |                    | T               | 寸                 | $\dashv$                                       | 寸  |          | 1  |               | 103          | Т            |          |               |          |          | T        | $\dashv$ |          | $\neg$   |
|               | 4        | 1            |  |  |  | T  | T  | 1         | П        | ヿ        |          | 54       |          | П               |                    |                 | _                 | _  | _  | 1        | 1  |               | 104          | <b>-</b>     | П        |               |          |          | 1        |          |          | _        |
|               | 5        | 1            |  | Г  | T  |  | T  |           | М        | $\neg$   |          | 55       | П        | H               | ╛                  | 寸               | _                 | 寸  | 7  | _        | 1  | _             | 105          | $\vdash$     | $\vdash$ |               |          |          | -        |          | _        | $\dashv$ |
|               | 6        | 1            | <del>                                     </del> |  | <del>                                     </del> | ┢  | <del>                                     </del> | $\vdash$  | Н        | $\dashv$ |          | 56       | Н        | $\vdash$        |                    | -               | $\dashv$          | $\dashv$                                       | _  | $\dashv$ | ٦. |               | 106          | $\vdash$     |          | $\neg$        | $\dashv$ |          |          | $\dashv$ | _        |          |
| $\vdash$      | 7        | N            | H  | H  | H  |  | H  | H         | Н        |          | -        | 57       | Н        | Н               | $\dashv$           | $\dashv$        | -+                | $\dashv$                                       | $\dashv$   | +-       | ┨  |               | 107          | $\vdash$     | $\vdash$ |               |          | -        | -        | $\vdash$ | _        |          |
|               | 8        | 1            | $\vdash$   | $\vdash$   | T  | 1  | $\dagger$  | 一         | Н        | $\neg$   |          | 58       | Н        |                 | $\dashv$           | -               | $\dashv$          | 十  | 7  | _        | 1  |               | 108          | -            | H        | -             | $\vdash$ | _        | ┢        | $\dashv$ | -        | $\neg$   |
|               | 9        | Ī            | H  |  | H  | $\vdash$   | $\vdash$   | 一         | Н        |          |          | 59       | Н        | Н               | $\dashv$           | _               | +                 | 十  | +  | +        | 1  |               | 109          | ⊢            | H        |               | -        | -        | ├-       | $\vdash$ |          |          |
|               | 10       | Ì            | $\vdash$   | ┢  | ╁  | _  | $\vdash$   | ┢         | Н        |          | <u> </u> | 60       | Н        | $\vdash$        | $\dashv$           | $\dashv$        | $\dashv$          | +  | -+   | +        | ┨  |               | 110          | <u> </u>     | $\vdash$ |               |          |          | ┢        | -        |          | _        |
| -             | 11       | Ì            | ┢  | ┢  | $\vdash$   | <del>                                     </del>   | $\vdash$   | $\vdash$  | Н        |          | <u> </u> | 61       |          | $\vdash$        | $\dashv$           | $\dashv$        | $\dashv$          | +  | $\dashv$   | $\dashv$ | 1  | -             | 111          |              | ┤┤       | $\overline{}$ | $\vdash$ |          | ┝        | $\vdash$ |          | -        |
| $\vdash$      | 12       | 1            |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$  | H        |          | $\vdash$ | 62       | $\vdash$ | Н               | $\dashv$           | $\dashv$        | $\dashv$          | $\dashv$                                       | -  | -        | 1  |               | 112          | -            | Н        | H             | $\dashv$ | -        | _        | $\vdash$ |          |          |
|               | 13       | <del> </del> | $\vdash$   | <del>                                     </del> |  | ╁╴   | $\vdash$   | $\vdash$  | Н        | $\dashv$ | $\vdash$ | 63       | $\vdash$ | $\vdash$        | $\dashv$           | $\dashv$        | $\dashv$          | $\dashv$                                       |  |          | 1  | <u> </u>      | 113          | <del> </del> | $\vdash$ |               |          | $\vdash$ | -        | $\vdash$ |          |          |
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|               | 15       | 1            | Н  | $\vdash$   | -  | ╁  | ╁  | ⊢         | Н        | $\dashv$ | -        | 65       | -        |                 | $\dashv$           | -               | +                 | $\dashv$                                       | ┰  |          | ┨  | $\vdash$      | 115          | <del> </del> | ╁╌┤      |               |          |          | $\vdash$ | $\vdash$ |          |          |
| -             | 16       | 1            | Н  | $\vdash$   | 1  | ╁  | $\vdash$   | $\vdash$  | $\vdash$ | -        | $\vdash$ | 66       |          | $\vdash \vdash$ | $\dashv$           | $\dashv$        | $\dashv$          | $\dashv$                                       | $\dashv$   | +        | ┨  | $\vdash$      | 116          | $\vdash$     | $\vdash$ | Н             |          | $\vdash$ | $\vdash$ | $\dashv$ |          |          |
| <b></b>       | 17       | <u> </u>     |  | -  | ⊢  | ┢  | ┢  | ┢         | Н        | $\dashv$ | <u> </u> | 67       | -        |                 |                    | _               | -+                | $\dashv$                                       | $\dashv$   | +        | ┨  | -             | 117          | H            | $\vdash$ | -             |          |          | $\vdash$ | -        |          |          |
|               | 18       |              | $\vdash$   | ⊢  | ┢  | ├  | ┢  | ├         | Н        | $\dashv$ | -        | 68       | -        |                 | -                  | $\dashv$        |                   | $\dashv$                                       | ┰  | +        | ┨  |               | 118          | _            | $\vdash$ |               |          |          | H        | $\dashv$ | _        |          |
|               | 19       | -            | $\vdash$   | ⊢  | ⊢  | ⊢  | ├  | $\vdash$  | $\vdash$ | $\dashv$ |          |          | Н        |                 |                    | -               | -                 | -  | +  |          | ┥  |               |              |              | $\vdash$ |               |          |          | <u> </u> | $\dashv$ | _        |          |
|               |          | $\vdash$     | H  |  | ⊢  | ⊢  | ├  | -         |          |          |          | 69       | Н        |                 | -                  | -               | 4                 | $\dashv$                                       | $\dashv$   |          | 4  | <u> </u>      | 119          | _            | $\vdash$ |               |          |          | <u> </u> | $\dashv$ |          |          |
|               | 20       | _            |  | _  | <del> </del>                                     | ├  | ├  | _         | -        |          | <u> </u> | 70       | Ш        | -               | -                  | -               |                   | $\dashv$                                       | $\dashv$   |          | 4  |               | 120          |              | $\vdash$ |               |          |          | _        | $\dashv$ | _        |          |
|               | 21       | $\vdash$     | $\vdash$   | <u> </u>   | ļ  | ⊢  | <u> </u>   | ⊢         | -        |          | <u> </u> | 71       |          |                 | 4                  | _               | 4                 | -  | -  |          | 4  |               | 121          | _            | Ш        |               | -        |          | _        | -        | _        |          |
| <u> </u>      | 22       | $\vdash$     | <u> </u>   | _  | <u> </u>   | ⊢  | ⊢_   | <u> </u>  | Н        | 4        | ļ        | 72       |          |                 | 4                  |                 |                   | 4  | 4  |          | 4  | $\perp$       | 122          | _            | Ш        |               | _        | =        | _        | Ц        | _        |          |
|               | 23       |              | _  |  | ╙  | L.   | <u> </u>   | igspace   | Ш        |          | <u> </u> | 73       | _        |                 | _                  | _               | 4                 | _  | 4  | _        | 4  |               | 123          |              |          |               |          |          | <u> </u> |          |          |          |
|               | 24       |              | Ш  | <u> </u>   |  |  | _  | Ш         |          | _        |          | 74       | Ш        | _               | _                  | _               | 4                 | _  | 4  | -        | 4  |               | 124          |              | Ш        |               |          |          |          | Ц        |          |          |
| -             | 25       |              |  | <u> </u>   | L  |  | L  |           | $\Box$   | _        |          | 75       |          |                 | 4                  | 4               | _                 | 4  | 4  |          | 1  | $\sqsubseteq$ | 125          |              | Ш        |               |          |          |          | $\perp$  | _        |          |
|               | 26       |              | Ш  | L  | <u>L</u>   | <u> </u>   | L  | L.        |          | _        |          | 76       |          |                 | _                  | _               | _                 | _  | _  |          |    | <u></u>       | 126          |              | Ш        |               |          |          |          |          |          |          |
|               | 27       |              | Ш  | _  | _  | _  | _  |           | _        | _        |          | 77       |          |                 | _                  | _               | _                 | _  | _  |          | 4  |               | 127          | _            | Щ        |               |          |          | _        |          |          |          |
|               | 28       |              | Щ  | _  | <u> </u>   | L  | <u> </u>   |           |          | _        | ļ        | 78       |          | $\Box$          | 4                  | 4               | 4                 | _  | _  |          | ↓  |               | 128          |              | Ш        |               |          |          |          |          |          |          |
|               | 29       |              |  |  | _  | Ш  | <u> </u>   | Ш         | Ц        | _        |          | 79       |          | _               | _                  | _               | _                 | _  | _  |          | Ţ  | Ш             | 129          |              | Ш        |               |          |          |          |          |          |          |
|               | 30       |              |  |  |  |  | L  | Ш         | Ш        | _        |          | 80       |          |                 | $\perp$            |                 |                   |  |  |          | _  |               | 130          |              | Ш        |               |          |          |          |          |          |          |
|               | 31       |              |  |  |  |  | L  |           |          |          |          | 81       |          | $\perp$         |                    | _               | $\perp$           |  |  |          | _  |               | 131          |              | Ш        |               |          |          |          |          |          |          |
|               | 32       |              |  |  |  | <u>L</u> .   |  | Ш         |          |          |          | 82       |          |                 |                    | $\perp$         |                   | $\perp$  |  | ┙        |    |               | 132          |              |          |               |          |          |          |          |          |          |
|               | 33       |              |  | _  | <u> </u>   |  | _  | Ш         |          | _        |          | 83       |          |                 |                    |                 |                   |  |  |          |    |               | 133          |              |          | ]             |          |          |          |          |          |          |
|               | 34       |              |  |  |  |  |  | Ш         |          | _        |          | 84       |          |                 | $\perp$            |                 |                   |  |  |          |    |               | 134          |              | L        |               |          |          |          |          |          |          |
|               | 35       | $\Box$       | Ц  |  |  | _  |  |           |          |          |          | 85       |          | _               | $\perp$            | $\perp$         | $\perp$           | $\perp$  |  |          | _  |               | 135          |              | Ш        |               |          |          |          |          |          |          |
|               | 36       |              |  |  |  | $ldsymbol{ld}}}}}}$ | L  |           |          |          |          | 86       |          |                 | $oldsymbol{\perp}$ |                 |                   |  |  |          | ]  |               | 136          |              |          |               |          |          |          |          |          |          |
|               | 37       |              | ot   | آسا  | $oxedsymbol{oxed}$                               | $oxed{oxed}$   | L  | $\square$ |          |          |          | 87       |          |                 | $\Box$             | $\_ \mathbb{I}$ | $oldsymbol{\bot}$ |  | $\Box$   |          | ]  |               | 137          |              |          |               |          |          |          | $\Box$   |          |          |
|               | 38       |              | $oxed{oxed}$                                     |  |  |  |  | Ш         |          |          |          | 88       |          |                 |                    |                 | $oxed{oxed}$      | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          | ]  |               | 138          |              |          | [             |          | _7       |          |          |          |          |
|               | 39       |              |  |  | $\Box$   |  |  |           |          | _]       |          | 89       |          | $\Box$          |                    |                 |                   | I  |  |          | ]  |               | 139          |              |          |               |          |          |          |          |          |          |
|               | 40       |              |  |  |  |  |  |           |          | _]       |          | 90       | $\Box$   | J               |                    |                 |                   | $\Box$   | $\Box$   |          | ]  |               | 140          |              |          |               |          |          |          |          |          |          |
|               | 41       |              |  |  |  |  | L  |           |          | _]       |          | 91       |          | $\Box$          | $\Box$             | $\Box$          | T                 | T  | $\neg$   | T        | 1  |               | 141          |              | $\sqcap$ | $\neg$        | 一        |          |          | $\neg$   |          | $\neg$   |
|               | 42       |              |  |  |  |  |  |           |          |          |          | 92       |          |                 | $\dashv$           | $\neg$          | $\top$            | $\exists$                                      | 寸  |          | 1  |               | 142          |              | П        | $\neg$        | $\neg$   |          |          | _        |          | $\neg$   |
|               | 43       |              |  |  |  |  |  |           |          |          |          | 93       | $\neg$   |                 | $\neg$             | 1               | $\neg$            | $\top$   | $\dashv$   |          | 1  | $\Box$        | 143          |              | $\Box$   |               | ヿ        |          |          | 寸        | $\neg$   | $\neg$   |
|               | 44       |              |  |  |  |  |  |           |          |          |          | 94       |          | $\dashv$        | $\dashv$           | $\neg$          | 寸                 | 1  | $\top$   | $\top$   | 1  | $\Box$        | 144          |              | $\Box$   | $\neg$        | $\neg$   | _        | $\Box$   | 一        | $\neg$   | $\neg$   |
|               | 45       |              |  |  |  |  |  |           | $\neg$   | $\neg$   |          | 95       | ヿ        | $\neg$          | 寸                  | 寸               | $\neg$            | +  | 寸  |          | 1  |               | 145          | $\neg$       | $\Box$   | _             | _        | 寸        | $\vdash$ | 一        | $\dashv$ | $\neg$   |
|               | 46       |              | $\Box$   |  |  |  |  | $\Box$    | $\neg$   | $\neg$   |          | 96       |          | _               | 7                  | $\dashv$        | $\dashv$          | $\top$   | $\top$   | $\top$   | 1  | $\Box$        | 146          |              | $\Box$   | $\dashv$      | $\dashv$ | -        | $\Box$   | $\dashv$ | 一        | $\dashv$ |
|               | 47       |              |  |  |  |  |  |           | 7        | $\neg$   |          | 97       | 一        | 1               | $\dashv$           |                 | 十                 | $\top$   | 十  | $\dashv$ | 1  |               | 147          | $\neg$       | $\Box$   |               | _        |          | $\vdash$ | _        | -        | $\dashv$ |
|               | 48       | $\neg$       |  |  |  |  |  |           |          | $\neg$   |          | 98       | _        | $\dashv$        | 7                  | 十               | $\dashv$          | 十  | +  | $\top$   | 1  | $\vdash$      | 148          |              | $\vdash$ | 7             | $\dashv$ | -        |          | $\dashv$ | ᅥ        | $\dashv$ |
| $\neg \neg$   | 49       |              | 寸  |  | $\Box$   | $\sqcap$   |  |           | $\dashv$ | $\neg$   |          | 99       | 寸        | 7               | _                  | 十               | $\dashv$          | +  | $\dashv$   | $\top$   | 1  | ┝──┤          | 149          |              | $\dashv$ | 7             | $\dashv$ | -        | $\dashv$ | $\dashv$ | ᅱ        | $\dashv$ |
|               | 50       |              |  |  | П  | П  | $\vdash$   | $\Box$    | 7        | $\dashv$ |          | 100      | _        | _               | $\dashv$           | $\dashv$        | +                 | +  | +  | +        | 1  | H             | 150          | $\dashv$     | $\vdash$ |               | $\dashv$ | $\dashv$ |          | -+       | -        | 一        |
|               |          |              |  |  |  |  |  | Щ.        |          |          |          | . 55     |          |                 |                    |                 | L                 |  | ㅗ  |          | ال | لــــا        | 130          |              |          | _             |          |          |          |          |          |          |